

M 7.1, OFFSHORE HONDURAS

Origin Time: Thu 2009-05-28 08:24:45 UTC

Location: 16.73°N 86.21°W Depth: 10 km

PAGER
Version 2

Created: 6 hrs, 33 mins after earthquake

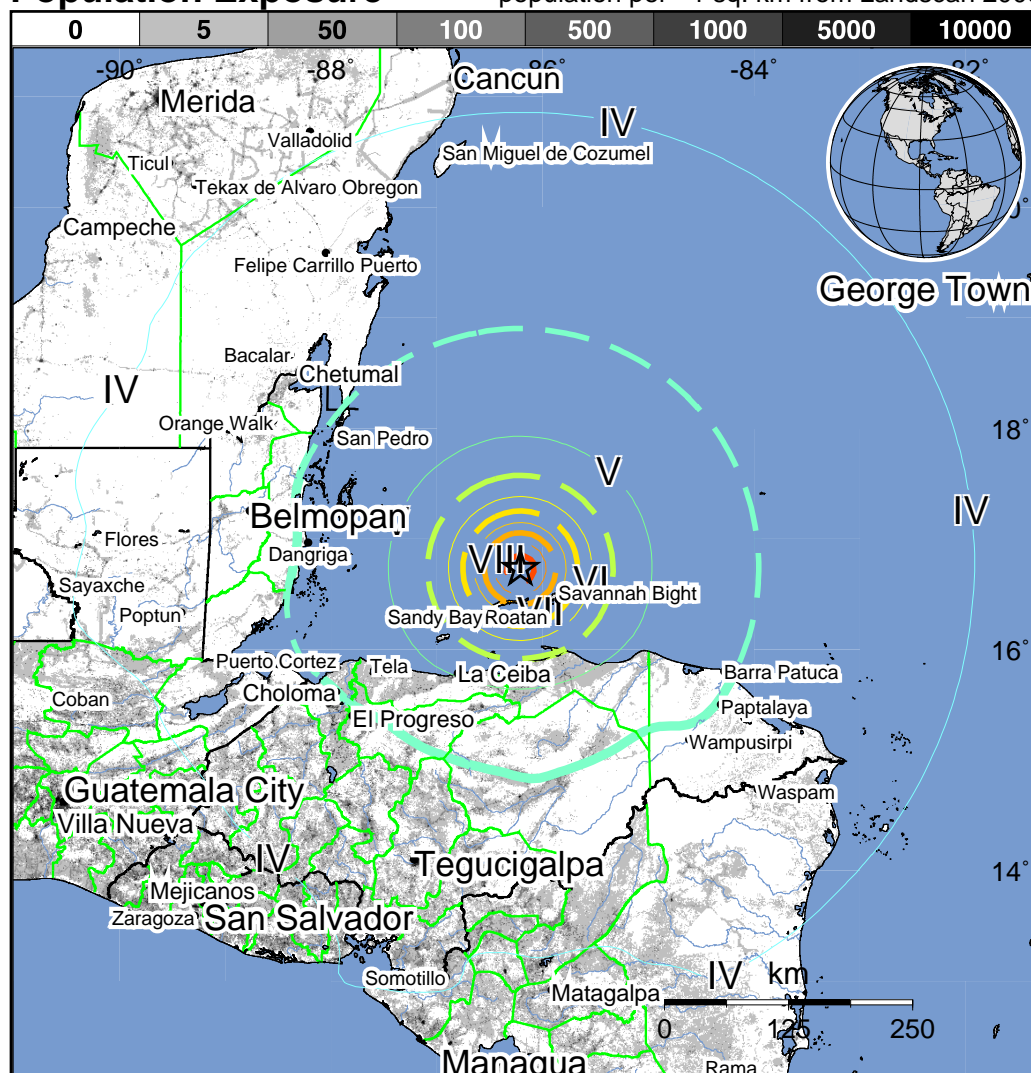
Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | | --* | --* | 28,374k | 1,483k | 8k | 29k | 3k | 0 | 0 |
|---|-----------------------|----------|--------|---------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | none | none | none | V. Light | Light | Moderate | Moderate/Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | none | none | none | Light | Moderate | Moderate/Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan 2006

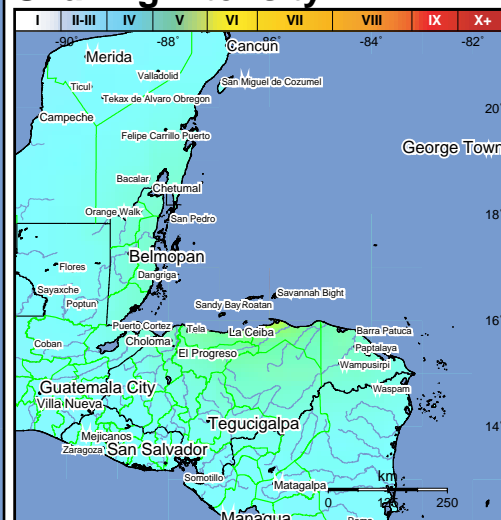


Selected City Exposure

| MMI City | Population |
|-------------------|------------|
| VII French Harbor | 2k |
| IV San Pedro Sula | 489k |
| IV Belmopan | 13k |
| IV Tegucigalpa | 850k |
| IV Cancun | 542k |
| IV San Salvador | 525k |
| IV Guatemala City | 994k |
| IV George Town | 29k |
| IV Merida | 717k |
| IV Managua | 973k |
| IV Mixco | 473k |

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 7.5 earthquake occurred near the Guatemala, region 358 km southwest of the location of this earthquake on February 4, 1976 (UTC), with estimated population exposures of 80,000 at intensity IX or greater and 1,017,000 at intensity VIII, resulting in an estimated 22,778 fatalities.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009heak